



UNITED STATES DEPARTMENT OF COMMERCE  
Bureau of the Census  
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## MASTER FILE

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### DSSD CENSUS 2000 PROCEDURES AND OPERATIONS MEMORANDUM SERIES #DD-5

MEMORANDUM FOR Michael J. Longini  
Chief, Decennial Systems and Contract Management Office

Attention: Dennis W. Stoudt  
Assistant Division Chief for Processing Systems

From: Howard Hogan *Howard Hogan*  
Chief, Decennial Statistical Studies Division

Subject: Census 2000 Coverage Edit Followup Specifications - Input  
Records for Testing

#### I. INTRODUCTION

The purpose of this memorandum is to document the specifications for creating a set of input records to be used in testing the Coverage Edit Followup (CEFU) computer-assisted telephone interview (CATI) instrument. The CEFU CATI instrument for Census 2000 is being developed by the Telephone Questionnaire Assistance (TQA) contractor - Electronic Data Systems (EDS). In order to adequately test the instrument, test input production data are required. The information provided in this memorandum defines a set of coverage edit failure cases. From this pool of cases we intend to test various scenarios.

Direct any questions about these specifications to Susan Ammenhauser of my staff (telephone 457-4236).

#### II. BACKGROUND

The CEFU CATI instrument testing will require multiple deliverables.

##### A. Input Records to EDS

This test file will include a set of input records, that is, large household edit failures, count discrepancy failures and combinations of edit failures. It will also include input census data.

The Decennial Statistical Studies Division (DSSD) will produce a file that specifies the pool of input cases that will be created by the Decennial Systems and Contract Management Office (DSCMO). The file will define the values of each of the critical CEFU variables. Based on this information, the DSCMO will create full input records for testing. The DSSD will review the full input data file before it is delivered to EDS.

B. CEFU Scenarios

The file mentioned above will be used as input into the instrument. The DSSD will identify the set of interview scenarios that require testing. These scenarios will be linked to one or more input records. This step includes testing the reverse-CATI paths of the instrument. That is, collecting census data for persons in large households or persons who were added during the CEFU interview (both short and long form reverse-CATI paths).

The Population Division (POP) will define the data required to test the reverse-CATI paths of the CEFU instrument. The POP will also create a pool of person records to use when a person "add" is generated through the CEFU instrument.

C. EDS Production and Evaluation Output to DSCMO

Output production data from the test will feed back to DSCMO to test the production output file delivery method and content. The DSCMO will be responsible for reviewing all production data. Evaluation output data will be delivered to the DSSD to test the evaluation file delivery method and content. The DSSD will review the evaluation output file for content.

III. INPUT FILE SPECIFICATIONS

The test file created by the DSCMO should be in the format specified in *2000 Census Processing Systems Memorandum No. 99-01, FINAL DRAFT Specifications for Coverage Edit Followup Data Flow*, dated May, 10, 1999 (and include any necessary changes that were documented in the addendum, dated June 9, 1999). The attached table documents various coverage edit failure cases. It also specifies variables that are used in determining coverage edit failures, and the resulting edit failure flags. All of these variables are found in RT=1 (record type). This file has already been delivered to the DSCMO in ASCII format.

Using the values of the variables in the table, the DSCMO will add the necessary census data for the remainder of RT=1 (for example, housing unit identification, address data, roster variable values) and all 100 percent person data for RT=2. We suggest using dress rehearsal data.

Note that this test file can also be used to test the edit failure software that DSCMO will create to determine edit failures for Census 2000. This file will represent edit failures, and must be supplemented with records that do not fail coverage edit in order to fully test the software.

Attachment

DSSD Census 2000 Procedures and Operations Memorandum Series Distribution List  
Coverage Edit Team Distribution List

D-1's* that failed DCAR and fail for LHH ( $RN > 6$ or $VDP + VCNT > 6$ )													
Seq #	RNPPOP	ROSPOP	VROSPOP	IDPPOP	VDPPOP	CNTPOP	VCNTPOP	DCAREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDDP	EDTFLDDP
001	7			6	6	0	0	F		1			
002	0			6	6	2	2	F		1			
003	10			6	6	4	4	F		1			
004	5			4	5	4	4	F		1			
005	8			6	6	0	0	F		1			
006	7			1	1	0	0	F		1			
D-1's* that passed DCAR and fail for LHH ( $RN > 6$ or $IDP + CNT > 6$ )													
007	7			6	6	0	0	P		1			
008	0			6	6	2	2	P		1			
009	10			6	6	4	4	P		1			
010	5			5	5	4	4	P		1			
011	8			6	6	0	0	P		1			
012	7			1	1	6	6	P		1			
D-2's* that failed DCAR and fail for LHH ( $RN > 6$ or $VROS > 6$ )													
013	7	7	7	7	6	6	6	F		1			
014	12	10	10	10	6	6	6	F		1			
015	15	12	10	5	5	5	5	F		1			
016	0	7	7	6	6	6	6	F		1			
017	6	8	8	5	6	6	6	F		1			
018	9	9	9	6	6	6	6	F		1			

Seq #	RNPQP	ROSPQP	VROSPQP	IDPQP	VDPPQP	CNTQP	VCNTQP	DCREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDDP	EDTFLDDP
<b>D-2's* that passed DCAR and fail for LHH (RN&gt;6 or ROS&gt;6)</b>													
019	7	7		6				P		1			
020	10	0		6				P		1			
021	13	12		5				P		1			
022	0	9		4				P		1			
023	6	12		6				P		1			
024	0	7		6				P		1			
<b>Internet responses that fail for LHH (no DCAR edit applied) (RN&gt;6 or DP+CN&gt;6)</b>													
025	7			6			0			1			
026	0			6			2			1			
027	10			6			4			1			
028	5			5			4			1			
029	8			6			6			1			
030	7			1			6			1			
<b>D-10's* that fail for LHH (no DCAR edit applied) (DP+CN&gt;5 and one valid name on continuation roster)</b>													
031				5			1			1	1		
032				5			5			1	1		
033				4			6			1	1		
034				5			2			1	1		
035				3			3			1	1		
036				5			12			1	1		
<b>D-1's* that failed DCAR and fail for Possible LHH (RN is blank and VDP=6 and VCNT=0)</b>													
037				6	5	0	0	F			1		
038				6	6	0	0	F			1		

Seq #	RNPPOP	RSPPOP	VROSPPOP	IDPPOP	VDPPOP	CNTPOP	VCTNTPOP	DCAREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDDP	EDTFLDDP
039				6	6	0	0	F		1			
<b>D-1's that passed DCAR and fail for Possible LHH (RN is blank and IDP=6 and CNT=0)</b>													
040				6		0		P		1			
041				6		0		P		1			
042				6		0		P		1			
<b>D-2's* that failed DCAR and fail for Possible LHH (RN is blank and VDP=6 and VROS=0)</b>													
043	0	0	6	6				F		1			
044	0	0	6	5				F		1			
045	0	0	6	6				F		1			
<b>D-2's* that passed DCAR and fail for Possible LHH (RN is blank and IDP=6 and ROS=0)</b>													
046	0		6					P		1			
047	0		6					P		1			
048	0		6					P		1			
<b>Internet responses that fail for Possible LHH (no DCAR edit applied) (RN is blank and IDP=6 and CNT=0)</b>													
049			6		0					1			
050			6		0					1			
051			6		0					1			
<b>D-1's that failed DCAR and fail for Count Difference - High DDP (RN is nonblank and RN&lt;VDP)</b>													
052	1		2	2				F		1			
053	2		3	3				F		1			
054	3		4	4				F		1			
055	4		6	5				F		1			
056	5		6	6				F		1			
057	5		6	6				F		1			

Seq #	RNPOP	ROSPOP	VRCSPOP	IDPPOP	VDPPOP	CNTPOP	WCNTPOP	DCAREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDP	EDTFLDDP
<b>D-1's* that passed DCAR and fail for Count Difference - High DDP (RN is nonblank and RN&lt;IDP)</b>													
058	1			2		0		P					1
059	2			3		1		P					1
060	3			4		0		P					1
061	4			5		4		P		1			1
062	5			6		1		P		1			1
063	5			6		6		P					1
<b>D-2's* that failed DCAR and fail for Count Differences - High DDP (RN is nonblank and RN&lt;IDP) or (RN is blank and VDP&lt;6 and VROSS&lt;VDP)</b>													
064	1	0	0	0	2	2		F					1
065	2	0	0	3	3			F					1
066	5	1	1	6	5			F					1
067	5	4	5	5				F					1
068	1	1	2	2				F					1
069	0	0	4	4				F					1
<b>D-2's* that passed DCAR and fail for Count Differences - High DDP (RN is nonblank and RN&lt;IDP) or (RN is blank and IDP&lt;6 and ROSS&lt;IDP)</b>													
070	1	0		3				P					1
071	4	4		5				P					1
072	5	5		6				P					1
073	1			2				P					1
074	2			4				P					1
075	4			5				P					1

Seq #	RNPPOP	ROSPOP	VROSPOP	IDPPOP	VDPPOP	CNTPOP	VCNTPOP	DCAREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDDP	EDTFLDDP
<b>Internet responses that fail for Count Difference - High DDP (no DCAR edit applied) (RN Is nonblank and RN&lt;IDP)</b>													
076	1			2		0							1
077	2			3		1							1
078	3			4		0							1
079	4			5		4				1			1
080	5			6		1				1			1
081	5			6		6				1			1
<b>D-1's* that failed DCAR and fail for Count Difference - Low DDP (RN Is nonblank and RN&gt;VDP)</b>													
082	6			4		4		0	0	0	F		1
083	4			3		3		0	0	0	F		1
084	2			2		1		0	0	0	F		1
085	10			6		6		0	0	0	F		1
086	12			4		4		0	0	0	F		1
087	15			5		5		0	0	0	F		1
<b>D-1's* that passed DCAR and fail for Count Difference - Low DDP (RN Is nonblank and RN&gt;IDP)</b>													
088	6			5		0				P			1
089	4			3		1				P			1
090	2			1		2				P			1
091	10			6		3				P		1	-
092	12			4		6				P		1	-
093	15			6		5				P		1	-

Seq #	RNPPOP	ROSPOP	VROSPOP	IDPPOP	VDPPOP	CNTPOP	VCNTPOP	DCAREDIT	BCALLRES	EDTXLHH	EDTXPLHH	EDTXHDDP	EDTFLOODP
<b>D-2's* that failed DCAR and fail for Count Differences - Low DDP (RN is nonblank and RN&gt;VDP) or (RN is blank and VDP&lt;6 and VROS&gt;VDP)</b>													
094	5	0	0	4	4			F					1
095	5	3	0	3	3			F					1
096	8	8	7	6	6			F					1
097	5	4	3	3				F					1
098	6	6	4	4				F					1
099	12	12	6	5				F					1
<b>D-2's* that passed DCAR and fail for Count Differences - Low DDP (RN is nonblank and RN&gt;IDP) or (RN is blank and IDP&lt;6 and ROS&gt;IDP)</b>													
100	5	0		3				P					1
101	5	0		4				P					1
102	15	9		6				P					1
103	4			3				P					1
104	6			4				P					1
105	12			5				P					1
<b>Internet responses that fail for Count Difference - Low DDP (no DCAR edit applied) (RN is nonblank and RN&gt;IDP)</b>													
106	6			4		0							1
107	4			3		1							1
108	2			1		2							1
109	10			6		3							1
110	12			4		0							1
111	15			5		0							1